Webster County, West Virginia Table H.--Engineering Index Properties

(Absence of an entry indicates that the data were not estimated.)

			Classif	ication	Fragi	ments			e passi			
Map symbol and soil name	Depth	USDA texture	<u> </u>		   >10		:	sieve n	umber		Liquid  limit	
and soll name	   	 	Unified	AASHTO		3-10  inches	   4 	10	40	200		ticity  index 
	In		<u> </u>	<u> </u>	Pct	Pct	¦	¦	<u> </u>	i	Pct	¦
7.			1	Į.	<u> </u>	1		!		!		1
At:		1	107 177 00			0 =	100 100	100 100	160.05		100 05	
Atkins	İ		CL, ML, SC,   SM	İ	 	İ	İ	İ		İ	20-35 	İ
	7-48   		CL, ML, SC,   SM 	A-4, A-6   	     	0-5     	90-100     	85-100     	65-100     	45-85     	20-40   	3-20     
			SM 	A-2, A-4, A-6	       	0-15	60-100       	60-100       	50-95       	30-85       	20-40	1-15       
CaE:			İ		 			İ		İ		İ
Cateache	0-9 	Very stony silt	CL, CL-ML,   GC, GC-GM	A-4, A-6 	 	15-30 	70-85 	65-80 	60-75 	45-70 	20-40 	4-15 
	9-31     	Channery silty   clay loam,   very channery   silty clay   loam	GC, GC-GM	A-2, A-4, A-6	     	0-15     	40-85     	35-80     	30-80     	25-70     	20-40	4-15     
	31-35	Weathered   bedrock	 		     	   	     	   	   	   		   
CeF:	İ	İ	i	i	İ	i	i	i	İ	i İ	İ	i
Cedarcreek	0-4	Extremely stony   loam	GC	A-2, A-4, A-6	 	30 <b>-</b> 55	45-60 	40 <b>-</b> 55	30-50	20-40	25-35	7-12
	I		 	A-2, A-4     	           	5-30           	30-55           	25-50             	20-45         	15-40             	25-35         	7-12           
Ch: Chavies	0-6	  -  Fine sandy loam	CL-ML, ML,	  A-4	,     0	   0	  85-100	  75-100	  40-90	  40-75	  15-25	    NP-5
		1	SC-SM, SM	İ	İ							
	İ	Fine sandy   loam, silt   loam, loam	ML, SM   	A-4 	0   	0   	85-100   	/5-100   	65-100   	45-85   	15-35   	NP-8   
				A-1-b, A-2,   A-4	   	0-5     	70-100     	60-95     	40-85   	20-75     	15-25	NP-5   

Print date: 06/21/2002

Table H.--Engineering Index Properties--Continued

Map symbol	l Depth	USDA texture	Classif	ication	Fragi	ments			e passi umber		  Liquid	   Plas-
and soil name	1				>10	3-10	' 				limit	
		İ	Unified	AASHTO		inches	4	10	40	200	- 1	index
	   In 	   	'   		   Pct 	Pct	'   	   		¦	   Pct 	'   
CoB:		 	 	i I	 	 	 	 	i I	i I	i I	 
Cotaco	0 <b>-</b> 5		CL-ML, ML,   SC-SM, SM	A-4 	0 	0 <b>-</b> 5 	80-100 	75 <b>-</b> 95 	55 <b>-</b> 85 	35-80 	15-30 	NP-7 
		Gravelly sandy   clay loam,   clay loam,	CL, GC, SC,   SM 	A-1-b, A-2,   A-4, A-6	0   	0-10   	60-100   	50-95     	40-90   	20-80   	15-35   	NP-15     
	50-65   	Gravelly silt   loam, clay   loam, loam	CL, GC, SC,   SM 	A-1-b, A-2,   A-4, A-6	0   	0-10 	60-100   	50-95   	40-90	20-80	15-35	NP-15   
Cr:			1	İ	! 		! 	! 		i	i	! 
Craigsville	0-5	-	CL-ML, ML,	A-2, A-4	 	0-25	  65-90 	60-85 	40-75	25-60 	15-25	NP-10
	5-39   	Gravelly sandy   loam, cobbly   loam, very   gravelly sandy   loam	SM 	A-1, A-2, A-4	     	25-60     	50-80     	30-65     	25-60     	15-40	15-25     	NP-10     
		Young   Very gravelly   loamy sand,   very gravelly   sandy loam,   very cobbly   loamy sand	GM, GP-GM	A-1, A-2     	       	  35-75       	  35-55       	30-50         	20-45       	10-25	15-25         	NP-8         
DkC:		I I	 	1	 	 	 	l I	1	I	1	 
Dekalb	0-2	Extremely stony   sandy loam	CL-ML, GM,	A-1, A-2, A-4	   6-20	15-30	  50-90	  45-80	140-75	20-55	10-32	NP-10
	2-24	Channery sandy   loam, channery   loam, very   channery sandy   loam	ML, SM, GC-   GM, GM 	A-1, A-2, A-4	0     	5-40     	50-85     	40-75     	40-75   	20-55	15-32	NP-9     
		Channery sandy   Loam, flaggy   sandy loam,   very flaggy   Loamy sand		A-1, A-2, A-4   	   0-1     	  10-50     	  45-85     	  25-75     	20-65     	  15-40     	15-32	NP-9       
	34-38	Unweathered  bedrock	   		   	   	   	   	   	   	   	   

Table H.--Engineering Index Properties--Continued

Map symbol	   Depth	   USDA texture	Classif	icati	on		i	ments		rcentage sieve n		-	  Liquid	
and soil name	 	   	   Unified 	   A. 	ASHTO			3-10  inches	   4 	10 	40 	200	limit   	ticity  index 
	In						Pct	Pct					Pct	
DrF: Dekalb	     0-2	    Extremely stony	    CL-ML, GM,	    A-1,	A-2,	A-4	     6-20	    15-30	    50-90	    45-80	    40-75	    20-55	    10-32	    NP-10
	2-24	loam  Channery sandy   loam, channery   loam, very   channery sandy   loam	ML, SM	  A-1,     	A-2,	A-4	   0   	   5-40   	  50-85     	  40-75     	  40-75     	  20-55     	  15-32   	  NP-9   
	24-34	Channery sandy	  GC, GM, SC,   SM 	  A-1,   	A-2,	A-4	0-1	  10-50     	  45-85   	  25-75     	  20-65   	  15-40     	15-32     	  NP-9     
	34-38	Todaily Sand  Unweathered   bedrock	 	     			   	   	   	   	   			   
Rock Outcrop		  Unweathered   bedrock	 	     			   	   	   	   	   			   
Ek:		 	 							 		1		
Elkins	7-27	Silt loam,   silty clay	CL, CL-ML, ML  CL, CL-ML 				0   0 			•		75-90  75-90 	20-40  20-40 	4-14   4-17 
	27-65 		  CL, ML, SC,   SM 	  A-4,   	A-6		   0   	   0   	  95-100   	  90-100   	  65-95     	40-85     	  15-35     	   1-13   
FeC:		<u> </u>	İ											
Fenwick	2-34		CL-ML, ML  CL, CL-ML, ML 	A-4   A-4,	A-6		1-5   0-5 						20-35  25-40 	
	34-38	Iodiii  Unweathered   bedrock	 	     			   	   	   	   	   			   
GaC:			 				 		 	 		İ	İ	İ
Gauley	0-14 		CL-ML, GM,   ML, SM	A-2, 	A-4,	A-1	 	50-85 	40-80 	40-75 	35-70 	20-55 	15-25 	NP-7 
	  - 	Channery loam,   very channery   loam, very   channery sandy	ML, SM 	A-1,     	A-2,	A-4	     	10-40   	40-80   	40-80   	40-75     	20-55     	15-25     	NP-7   
	28-32	loam  Unweathered   bedrock 	     	     			   <b></b>   	     	   <b></b>   	     	     	   	   	     

Table H.--Engineering Index Properties--Continued

Map symbol	   Depth	   USDA texture	Classif 	icati	on		i	ments		rcentag sieve n			  Liquid	
and soil name		   	   Unified 	   A.	ASHTO		>10    inches  	3-10  inches	   4 	10	40	200 	limit   	ticity  index 
	In						Pct	Pct					Pct	
GaE: Gaulev	     0-4	 	    CL-ML, GM,	     n_1	71 – 2	7 1	   	    50_05	     40_90	    40-75	135_70	120-55	    15-25	    ND_7
Gauley		1	ML, SM	İ	,		i i	I	I	İ	İ	i	İ	İ
		Channery loam,   very channery   loam, very   channery sandy   loam	ML, SM 	A-1,     	A-2,	A-4	<b></b>   	10-40     	40-80       	40-80     	40-75       	20-55       	15-25       	NP-7       
		Channery loam,   very channery   sandy loam,   extremely   channery loamy   sand	SC-SM, SM   	A-1,	A-2,	A-4	 	10-50       	45-75         	30-75       	25-70       	20-50       	15-25       	NP-7       
	28-32	Unweathered   bedrock	 	     			 	   	   		   	 	   	   
GbB:			l GT MT		7. (			   0	 	175 00				   4 1 E
Gilpin	2-26 	Channery loam,		A-4,  A-2,		A-6							20-40  20-40 	
	26-36     	Channery loam,   very channery   silt loam,   very shaly   silty clay	GC, GC-GM     	A-1,   4,		A-		0-35     	  25-55     	20-50     	15-45	15-40	20-40	4-15       
	36-40	loam  Unweathered   bedrock	     				     	   	   				   	   
GbC: Gilpin	2-26	Channery loam,   shaly silt   loam, silty		  A-4,  A-2,		A-6	 						  20-40  20-40 	
	26-36   	clay loam  Channery loam,   very channery   silt loam,   very shaly   silty clay	  GC, GC-GM     	  A-1,   4,		A-		   0-35     	  25-55     	  20-50     	  15-45     	  15-40     	1 20-40	   4-15     
	36-40	loam  Unweathered   bedrock 	 	     			   <b></b>   	   <b></b> 	     	     	     	   	   	     

Table H.--Engineering Index Properties--Continued

Map symbol	Depth	   USDA texture	Classit	ication	i	ments			e passi umber	_	  Liquid	
and soil name	 	 	   Unified	   AASHTO	>10  inches			10	40	200	limit 	ticity  index
	   In		 	-	Pct	   Pct	 	 	·		Pct	' 
GbD:		 	 		 	 	 					 
Gilpin      	2-26 	Channery loam,   shaly silt   loam, silty		A-4, A-6  A-2, A-4, A-6 					70-85  35-85 		20-40  20-40 	
	26-36	clay loam  Channery loam,   very channery   silt loam,   very shaly   silty clay	  GC, GC-GM       	  A-1, A-2, A-   4, A-6   	         	   0-35       	  25-55       	  20-50     	  15-45     	  15-40       	  20-40   	   4-15       
		loam  Unweathered   bedrock	 		   	   	   	   		   		   
GbE: Gilpin	2-26 	Channery loam,   shaly silt   loam, silty		  A-4, A-6  A-2, A-4, A-6	     		  80-95  50-95 				  20-40  20-40 	   4-15   4-15 
	26-36   	clay loam  Channery loam,   very channery   silt loam,   very shaly   silty clay		  A-1, A-2, A-   4, A-6 	       	   0-35     	  25-55       	  20-50       	  15-45       	  15-40     	  20-40     	   4-15     
	36-40	loam  Unweathered   bedrock 	 		   	   	     		   	   	   	   
GbF: Gilpin	2-26 	Channery loam,   shaly silt   loam, silty		  A-4, A-6  A-2, A-4, A-6	     				  70-85  35-85 		  20-40  20-40 	   4-15   4-15 
	26-36   	clay loam  Channery loam,   very channery   silt loam,   very shaly   silty clay		A-1, A-2, A-   4, A-6 	         	   0-35     	  25-55       	  20-50     	  15-45     	  15-40       	  20-40     	   4-15       
	36-40	loam  Unweathered   bedrock 	 	 	     	     	     	     	   	     	   	     

Table H.--Engineering Index Properties--Continued

Map symbol	   Depth	   USDA texture	Classif	ication		Fragr	ments		_	e passi umber	_	    Liquid	     Plas-
and soil name			Unified	   AASHT	.0	>10  inches	3-10  inches	4	10	40	200	limit	ticity  index
	   In	.	 			Pct	   Pct	 		·		Pct	' 
GcC:							 						
Gilpin	0-2	Stony silt loam	  CL, CL-ML,   GC, SC	A-2, A-4	A-6	 	   2 <b>-</b> 10	  50-90 	45-85	35 <b>-</b> 75	30-70	20-40	   4-15 
	 	Channery silt   loam, channery   loam, silty	CL, CL-ML,	A-2, A-4	A-5	   	0-30	50-95   	45-90 	35-85	30-80	20-42	4-15   
	26-36   	clay loam  Channery loam,   very channery   silt loam,   very shaly		  A-1, A-2   4, A-5 	2, A-	     	   0-35   	  25-55     	  20-50   	  15-45   	  15-40     	  20-42   	   4-15     
	   36-40	silty clay   loam  Unweathered   bedrock	 	     		     	     	     	     		     	     	     
GcF: Gilpin			 	  A-2, A-4	1 7 C		0 10	 		    35-75	1 20 70	1 20-40	     4-15
GIIPIN	U=2 	Stony silt loam	GC, SC	A-2, A-4	, A-0		2-10 	30 <b>-</b> 90	143-03	33-73	30 - 70	120-40	4-13
	 	Channery silt   loam, channery   loam, silty   clay loam		A-2, A-4	1, A-5	   	0-30	50-95   	45-90 	35-85 	30-80	20-42	4-15 
	26-36     	Channery loam,   very channery   silt loam,   very shaly   silty clay		A-1, A-2   4, A-5 	2, A-	       	0-35     	  25-55       	20-50     	15-45     	15-40       	20-42	4-15       
		loam  Unweathered   bedrock	 	 		   	   	   	 		 		   
GdE:	 		 			 	 	 			 		 
Gilpin				A-2, A-4	A-6		10-40	50-90	45-85	35-75	30-70	20-40	4-15
	2-26	Channery silt   loam, channery   loam, silty		  A-2, A-4   	1, A-5	     	   0-30 	  50-95   	45-90   	  35-85   	  30-80   	  20-42 	   4-15   
	  -  -	clay loam  Channery loam,   very channery   silt loam,   very shaly   silty clay   loam		A-1, A-2   4, A-5 	2, A-	         	   0-35       	  25-55       	  20-50     	  15-45       	  15-40     	  20-42     	   4-15       
	36-40	Iodiii  Unweathered   bedrock	 	   		 	   	   					   

Table H.--Engineering Index Properties--Continued

Mars 2, 13, 1	 		Classif	icatio	on		Frag	ments	l Pe	_	e passi	_		
Map symbol and soil name	ı Depth ı	USDA texture	l				   >10	1 3-10	 	sieve n	umber		Liquid  limit	
and soll name	 		   Unified	1 7/7	ASHTO			linches		I 10	1 10	200	- '	lindex
	! 		l onitited	1	ADIIIO		l Tucues	I THEHES	=	1 10	1 40	1 200	1	I
	' I Tn	!	'	'			'   Pct	Pct	'	·	·	·	.'   Pct	<u> </u>
			 	i			1	1	' 	i			1	
	' 		! 	i			' 	<u>'</u>	İ	i	i	i	i	i
Dekalb	0-2	Extremely stony	CL-ML, GM,	A-4,	A-1,	A-2	6-20	115-30	50-90	145-80	140-75	120-55	110-32	  NP-10
			ML, SM	i	,		İ	į	İ	i	i	İ	i	į
	2-24	Channery sandy	GC-GM, GM,	A-1,	A-2,	A-4	0	5-40	50-85	140-75	140-75	20-55	15-32	NP-9
		loam, channery	ML, SM	1						1	1			
		loam, very		1										
		channery sandy												
		loam												
	24-34	Channery sandy	GC, GM, SC,	A-1	A-2,	A-4	0-1	10-50	45-85	25-75	20-65	15-40	15-32	NP-9
		loam, flaggy	SM											
		sandy loam,												
		very flaggy												
		loamy sand												
		Unweathered												
		bedrock		!			!			!				
67.				!						!				
GLF:		177	   OT OT MT		7 4	a c		110 40		145 05	125 75	120 70	100 40	1 1 1 5
Gilpin		Very stony silt   loam	GC, SC	A-2,	A-4,	A-0		110-40	50-90	143-83	35-75	130-70	20-40	4-15
		Channery silt		  A-2,	7 - 4	λ <b>-</b> 5	 	1 0-30	1 150-05	1/15-00	135-85	130-80	120-42	I /=15
		loam, channery		A 2,	Α -1,	ΑЭ	 	1 0 30	1 30 33	1 42 20	1 33 03	1 30 00	120 42	1 4 13
		loam, silty	1	i			! 	 	! 	i				
		clay loam	! 	i			' 	<u>'</u>	İ	i	i	i	i	i
		Channery loam,	IGC, GC-GM	A-1,	A-2.	Α-		0-35	125-55	120-50	115-45	115-40	20-42	4-15
		very channery		4, 2			' 	1	1	1	1	1	1	1 10
		silt loam,	İ	i ′			İ	İ	i	i	i	i	i	i
		very shaly	İ	i			I	İ	İ	i	i	i	i	İ
		silty clay	İ	İ				İ	İ	İ	İ	İ	İ	İ
		loam		1						1	1			
	36-40	Unweathered		1										
		bedrock												
Laidig		Extremely stony		A-4				15-30	65-90	50-80	45-80	35-70	15-30	NP-10
			SC-SM, SM		_									
		Very channery		A-2,	A-4,	A-6		5-20	70-95	50-90	140-80	120-70	15-40	2-18
		loam, channery	SM	!			!			!	1			
		sandy clay		1						1				
	l i		 	1			 		1	1	1		1	1
	I I 32-65		ICT_MT CC	I I Λ = 2	7 - 4	7 - 6	 	1 5-20	1 150-00	1/10-85	130-80	I I15=70	115-35	1 2-16
		• •		A - Z ,	A-4,	A-0	<del>-</del>	1 3-20	100-30	140-02	120-00	1 1 2 - 10	1 1 2 2 3 3	1 2-10
				1			I I	I I	I I	1	1	1	1	1
				1			! 	1 	ı I	1	1	1	1	1
	! 		! 	i			! 	1	i I	İ	1	İ	1	1
	' 	Janay Toan	i I	i			' 	<u> </u>	i I	i	i	i	i	<u> </u>
	     32-65 	loam, channery   sandy loam  Channery sandy	  CL-ML, GC,   GC-GM, SC 	  A-2,     	A-4,	A-6	           	   5-20       	    50-90       	  40-85       	  30-80       	  15-70       	  15-35       	   2       

Table H.--Engineering Index Properties--Continued

Map symbol	Depth	   USDA texture	Classi	ficatio	on		Fragi	ments		rcentag sieve n			    Liquid	   Plas-
and soil name		1	Unified		ASHTO		>10	3-10  inches		1 10	1 40	1 200	llimit	
		 	Unilied	I AA	ASHTO		Inches	Inches	4 	1 10	1 40	1 200	1	index
	In		İ	-			Pct	Pct		İ	<u> </u>	<u> </u>	Pct	<u> </u>
ItF:		 	 	l I				 	 	1	1	1	1	 
Itmann	0-14	Channery loam	CL, ML, SC,	A-2,	A-4			0-10	65-85 	60-80 	50-75 	30-60 	20-30	NP-8
	14-65	Very channery   sandy loam,   very channery   loam,   extremely   channery sandy   loam		A-1,         	A-2		     	0-15           	30-55             	25-50           	20-45         	10-35	15-25           	NP-7           
KaF:									! 	i		i		
Kaymine	0-7	Extremely stony   silt loam	GC	A-2,	A-4,	A-6		30-55 	45-60 	40-55	30-50	20-40	25-35	7-12
		· ·	 	A-2,	A-4,	A-6	       	5-30           	30-55           	25-50         	20-45         	15-40         	25-35         	7-12         
LaC:		İ	İ	İ				İ	İ	i	İ	i	İ	
Laidig			SM	ĺ				I	I	i	İ	i	15-30 	1-10
	4-32	Very channery   loam, channery   sandy clay   loam, channery   sandy loam	SM 	A-2,     	A-4,	A-6	   	5-20     	70-95       	50-90     	40-80     	20-70     	15-40     	2-18     
	32-65	Channery sandy	GC-GM, SC	A-2,	A-4,	A-6	     	5-20         	50-90         	40-85         	30-80         	15-70         	15-35         	2-16       

Table H.--Engineering Index Properties--Continued

Map symbol	   Depth	   USDA texture	Classif	icati	on		Fragi	ments	l Pe	_	e passi umber	_	  Liquid	   Plas-
and soil name			'     Unified	   A	ASHTO		>10   >10	3-10	 	1 10			llimit	•
	' 				1101110							200		
	In	!	[				Pct	Pct	I	1		1	Pct	I
LaD:	 		 				 	 	 			1		 
Laidig	0-4		CL, GM, ML,  SM	A-4			   	0-5 	  65-90	50-80	45-80	35-70	15-30	1-10
	 	Very channery   loam, channery   sandy clay   loam, channery   sandy loam	SC, SM, CL,   ML 	A-2,	A-4,	A-6	     	5-20     	70-95       	50-90	40-80	20-70   	15-40	2-18     
	32-65   	Sandy loam   Channery sandy   clay loam,   very channery   loam, channery   sandy loam	GC-GM, SC	A-2,	A-4,	A-6	       	   5-20     	  50-90     	40-85	30-80	  15-70     	  15-35     	   2-16     
LdC:							 							
Laidig	U-4 		SC-SM, SM	A-4			 	15-30	65-90 	150-80	145-80	135-70	115-30	INP-IU
	 	Very channery   loam, channery   sandy clay   loam, channery	CL, ML, SC,   SM	A-2,	A-4,	A-6	     	5-20     	70-95       	50-90   	140-80	20-70   	15-40	2-18     
	   32-65         	sandy loam  Channery sandy   clay loam,   very channery   loam, channery   sandy loam	GC-GM, SC	  A-2,     	A-4,	A-6	           	   5-20         	  50-90         	  40-85       	  30-80       	  15-70       	  15-35       	   2-16         
LdE: Laidig	   0-4	  Extremely stony	  CL-ML, GC-GM,	  A-4			 	  15-30	  65-90	  50-80	  45-80	  35-70	  15-30	    NP-10
			SC-SM, SM			_								
		Very channery   loam, channery   sandy clay   loam, channery   sandy loam	SM 	A-2,     	A-4,	A-6	     	5-20     	70-95     	50-90     	40-80	20-70     	15-40     	2-18     
	32-65         	Channery sandy	GC-GM, SC 	A-2,       	A-4,	A-6	         	5-20         	  50-90       	40-85	30-80	  15-70       	  15-35       	2-16       

Table H.--Engineering Index Properties--Continued

Map symbol	   Depth	   USDA texture	Classif	icatio	on		i	ments		rcentag	-	-	  Liquid	
and soil name		 	   Unified 	   A2 	ASHTO		>10  inches		   4	10	40	200	limit   	ticity  index 
	In		<u> </u>				Pct	Pct	'	<u> </u>		İ	Pct	' 
LgE: Laidig	0-4		  CL-ML, GC-GM,	     A-4			    10 <b>-</b> 50	    15-30	    65-90		    45-80	35-70	15-30	    NP-10
		  Very channery   loam, channery   silt loam,   channery sandy   loam	SM 	  A-2,     	A-4,	A-6	   0-15     	   5-20     	  70-95     	  50-90     	  40-80     	20-70     	15-40     	   2-18     
	32-65   	Channery sandy	GC-GM, SC 	A-2,       	A-4,	A-6	0-10	5-20     	50-90       	40-85       	30-80       	15-70       	15-35       	2-16       
MaC:			 						 					10
Mandy		Very stony silt   loam	I	A-4 					Ī	İ	ĺ	İ	20-32 	ĺ
		channery silt   loam,   extremely	SM     	A-1,     	A-2,	A-4	     	0-30         	40-80       	35-70       	25-60       	20-45       	20-32       	4-10     
	24-34   	channery silt   loam,   extremely	GC, GM, SC,	  A-1,   	A-2		     	0-40	  35-65     	  25-55     	  20-40   	  15-35     	  20-32     	   4-10   
	34-38	channery loam  Weathered   bedrock 	 	     			   	   	   	     	     	     	     	     
MaE: Mandy		  Very stony silt	  CL, CL-ML	   A-4			 	  15-30	  65-80	  60-75	  55-70	  50-65	20-32	4-10
	2-24     	channery silt   loam,   extremely	SM     	  A-1,     	A-2,	A-4	       	   0-30     	  40-80     	  35-70       	  25-60       	  20-45     	  20-32     	4-10   4-10   
	24-34   	channery silt   loam,   extremely	GC, GM, SC,	  A-1,   	A-2		     	   0-40   	  35-65     	  25-55     	  20-40   	  15-35     	  20-32     	   4-10   
	34-38	channery loam  Weathered   bedrock	 	   			   	   	   	   	   			   

Table H.--Engineering Index Properties--Continued

Map symbol	Depth	   USDA texture	Classif	ication	Fragr	ments		_	e passi umber	_	  Liquid	   Plas-
and soil name	 	 	Unified	•	>10  inches		   4	10	40	200	limit   	ticity  index 
	   In		l 		Pct	Pct	'	'	¦	¦	Pct	'
	 	] [	 	[ [	 	 	 	l I	1	1		 
MaF:		į		į į	į			į	į	į	į	į
Mandy		Very stony silt	CL, CL-ML 	A-4		15-30 	65-80 	60-75 	55 <b>-</b> 70	50-65 	20-32 	4-10 
	  - 	channery silt   loam,	SM	A-1, A-2, A-4   	     	0-30	40-80   	35-70       	25-60     	20-45     	20-32   	4-10   
	   24-34 	channery silt loam,	GC, GM, SC,	  A-1, A-2 	     	   0-40 	    35-65   	    25-55   	   20-40 	  15-35   	  20-32 	     4-10 
	34-38	extremely   channery loam  Weathered   bedrock	 	 	     <b></b> 	     <b></b>   	       	       	     	     	   	       
MaG: Mandy		  Very stony silt   loam	  CL, CL-ML 	  A-4 	   	  15-30 	  65-80 	  60-75 	  55-70	  50-65	  20-32	   4-10
		Channery silt   loam, very   channery silt   loam,   extremely	SM	A-1, A-2, A-4   	     	0-30	40-80     	35-70     	25-60     	20-45   	20-32	4-10   
	   24-34 	channery loam	GC, GM, SC,	  A-1, A-2   	       	   0-40   	  35-65   	  25-55     	  20-40   	  15-35   	  20-32   	   4-10   
	34-38	channery loam  Weathered   bedrock	  - 		   	 	   	   	     	     	   	   
MkE: Meckesville			    ML	   A-4	   6-20	15-25	    80-100	  70-95	  65-85	  55-80	i i	 
	3-36 	silt loam  Loam, channery   silt loam,   gravelly silty	 	  A-4, A-6 	   0-1 	   0-20 	  60-100 	  60-95 	  60-90 	  55-70 	25-40 	   2-15 
	36-65 	clay loam  Loam, channery   silt loam,   gravelly clay   loam	SC	  A-2, A-4     	   0-1   	   0-20     	  45-95       	  40-90     	  35-85     	  30-65       	  20-30     	   2-10     

Table H.--Engineering Index Properties--Continued

   Map symbol	Depth	   USDA texture	Classif	ication	i	ments		_	e passi: umber	_	  Liquid	   Plas-
and soil name		1		Ī	>10	3-10					limit	ticity
			Unified	AASHTO	linches	linches	4	10	40	200		index
	In	.! 	 		   Pct	Pct	! 	' 		' 	Pct	' 
Pe:			  -			1	 	1	1	[ 		
Philo	0-0	  Loam	CL-ML, ML	A-4	! !	1 0-5	I I 05_100	100_100	175_00	1 160-00	120-35	I I 1_1∩
FIII10			CL-ML, ML  CL-ML, ML, SM				•				120-35	
 	9-30	loam, sandy	CL-ML, ML, SM   	A	   	U=3 	 	/3-100   	70=90   	45-60   		1-10
i i	30-65	Stratified sand	ICTMT GM.	A-2, A-4	' 	0-5	160-95	150-90	140-85	130-80	15-30	1 1-10
	30 03	to silt loam			   	0 3	00 33   			   		1 10
Pope	0-4	•	CL, CL-ML,	A-4	,   0 	,   0 	  85 <b>-</b> 100 	75 <b>-</b> 100 	70-100	  45-90 	15-30 	NP-10 
İ	4-47	Fine sandy		A-2, A-4	0	0	95-100	80-100	51-95	25 <b>-</b> 75	15-30	NP-7
i		loam, loam		i	i I	' 	i I	i	' 	i	i	' 
i	47-65	Sandy loam,	GM, ML, SC-   SM, SM	A-1, A-2, A-4	   	0-20	  45-100 	35-100 	30-95 	15-70	15-30	NP-7 
PqG:			 	[	 	 	 	[ [	 	 		 
Pineville	0-5	  Extremely stony	ICTMT., MT.,	A-2, A-4		115-30	155 <b>-</b> 90	150-85	145-80	130-75	125-35	4-10
		• • •	SC-SM, SM	  A-2, A-4, A-6	I	İ	I	i	    45-75	İ	İ	     6-15
	3-33	channery clay   loam, very   channery loam	SC, SC-SM 	A-2, A-4, A-6   		0-10	   	30-80   	43-73	   		       6-12
İ	35-65	Very channery	GC-GM, GM,	A-1, A-2, A-   4, A-6	   	5-20 	  35-75 	  30-70 	  25-65 	  20-60 	25-35 	4-12 
İ		channery clay   loam, very			 	<u>.</u>	<u> </u>	1	i I			
 		channery sandy   loam			 							
  Gilpin	0-2			4, A-6	 	10-40	50-90	45-85	35-75	30-70	20-40	4-15
		· ·	GC, S	┕ III I								
	2-26	Channery silt   loam, channery		A-1 A-5		0-30	50-95	45-90	35-85	30-80	20-42	4-15
		loam, silty   clav loam			 							
 	26-36	Channery loam,	IGC. GC-GM		 	I 0-35	1 125-55	120-50	1 115-45	1 115-40	120-42	ı I 4–15
	20 30	very channery   silt loam,		4, A-5	   	0 33   	   	   		   		
		very shaly silty clay	  -		 		 			 		 
l I		SIILY CLAY	1 	1 	I I	I I	I I	I I	I 	I I	1	I I
	36-40	Unweathered	 									
		bedrock 	 		 	 	 	I 	 	 		 

Table H.--Engineering Index Properties--Continued

Map symbol	l Depth	   USDA texture 	Classification				Fragments			rcentag	    Liquid	   Plas-		
and soil name			Unified	   A	ASHTO		>10  inches		      4	10	40		_ limit	
	   In	1	 				Pct	Pct	 	 			Pct	
PLF: Pineville	     0-5	  -  Extremely stony		    A-2,	A-4		   	    15-30	    55-90	    50-85	    45-80	    30-75	    25-35	     4-10
	   5-50 	loam  Channery loam,   channery clay   loam, very		  A-2, 	A-4,	A-6	   <b></b> 	   0-10 	  55-85   	  50-80   	  45-75   	  30-65   	  25-40 	   6-15   
	   50-65     	channery loam  Very channery   loam, very   channery clay   loam, very   channery sandy   loam	GC-GM, GM,   SC, SC-SM 	A-1,   4,		A-	         	   5-20       	  35-75         	  30-70         	  25-65         	  20-60         	  25-35       	4-12     4-12 
Gilpin	   0-2	Very stony silt	  CL, CL-ML,   GC, SC	  A-4,	A-6,	A-2	   	  10-40 	  50-90 	  45-85 	  35-75 	  30-70 	20-40	4-15
		Channery silt   loam, channery   loam, silty	CL, CL-ML,	A-2,	A-4,	A-5		0-30 	  50-95   	45-90 	35-85   	30-80	20-42	4-15 
		clay loam  Channery loam,   very channery   silt loam,   very shaly   silty clay   loam		A-1,   4,	A-2, A-5	A-	       	   0-35     	  25-55       	  20-50     	  15-45       	  15-40     	  20-42     	4-15       
	36-40	loam  Unweathered   bedrock	 				   	   	   	   	   	   		   
Guyandotte	   0-19 	Extremely stony   silt loam	  CL-ML, GC-GM,   ML, SC-SM	A-1,	A-2,	A-4	   	  20 <b>-</b> 50 	  25-65 	  20-60 	  15 <b>-</b> 55 	  10 <b>-</b> 55	120-30	NP-8
	19-65       	Very channery	CL-ML, GC-GM,   ML, SC-SM   	A-1,         	A-2,	A-4	         	5-35         	25-65           	20-60             	15-55             	10-55             	20-30         	NP-8         
Po: Pope	0-4	  Loam	    CL, CL-ML,	  A-4			     0	I     0	    85-100	    75-100	    70-100	    45-90	1 15-30	  NP-10
2 -	İ	  Fine sandy   loam, sandy	ML, SM	  A-2,	A-4		0		I	İ	į	İ	15-30	İ
	   47-65 	<del>-</del>	  GM, ML, SC-   SM, SM	  A-1, 	A-2,	A-4	   	0-20	  45-100 	  35-100 	  30-95 	  15-70 	  15-30 	  NP-7 

Table H.--Engineering Index Properties--Continued

   Map symbol	   Depth	   USDA texture   	Classification				Fragments		Percentage passing   sieve number				  Liquid	   Plas-
and soil name			Unified	AASHTO		-	3-10  inches	   4	10	40	200	_ limit   	ticity  index	
	In	   	     	   			Pct	   Pct 	     	   	     	     	   Pct 	     
Pp:     Pope	0-4		    CL, CL-ML,   ML, SM	     A-4			0	     0	    85-100 	    75-100	    70-100	    45-90 	15-30	    NP-10 
		Fine sandy		A-2,	A-4		0	0	95 <b>-</b> 100	80-100	  51 <b>-</b> 95 	  25 <b>-</b> 75 	15-30	NP-7 
		Sandy loam,	GM, ML, SC-   SM, SM	A-1,	A-2,	A-4		0-20 	  45-100 	  35-100 	  30-95 	  15-70 	15-30	  NP-7 
  Potomac	0-9	  Gravelly sandy   loam	  GC-GM, GM,   SC-SM, SM	  A-1, 	A-2,	A-4		   0-25 	  50-85 	  40-75 	  30-65 	  15-50 	15-20	  NP-5 
		Very cobbly	GM, GW-GM,   SM, SW-SM 	A-1,     	A-2		     	15-50         	50-80         	35-70           	20-50         	5-25         	15-15         	NP-3       
ScF:   Shouns	0-4	  -  Extremely stony	I    CI, CI,=MI, MI	    A-4,	A-6		    10-20	     5–15	    80-100	    75-100	     65–95	I    55-90	    15-30	     3-12
	4-45	silt loam	İ	  A-4,			0-5	I	I	I	I	I	25-40	İ
	45-65		  CL, ML   	  A-6,   	A-7		0-5	  10-25     	  75-100     	  65-90     	  60-85     	  50-75     	30-45     	  10-20     
Cateache		  Very stony silt   loam	  CL, CL-ML,   GC, GC-GM	  A-4,	A-6			  15-30 	  70-85 	ı   65-80 	  60-75 	  45-70 	20-40	   4-15 
	9-31	Channery silty		A-2,     	A-4,	A-6		0-15     	40-85     	35-80       	30-80     	  25-70     	20-40     	4-15     
	31-35	Weathered   bedrock 	   	   				   	   	   	   	   	   	   

Table H.--Engineering Index Properties--Continued

Map symbol	   Depth	   USDA texture 	Classif	Fragments						  Liquid		
and soil name	    -		   Unified 	AASHTO		3-10  inches	   4	10	40	200	limit   	ticity  index
	'   In 	   	'   	'   	Pct   Pct	Pct   Pct	'   	'   	'   	   	Pct	'   
SmC: Simoda		  Extremely stony   silt loam	  CL, CL-ML,   GC, GC-GM	   A-4		  25-60	  55-75	  50-70	  45-65	  35-60	  20-30	   5-10
	3-23 	Loam, channery		A-4, A-6   	   	0-20	  70-100   	  65-100   	  60-95   	45-90   	25-40   	7-14   
	 	Sandy loam,   channery silt   loam, silty   clay loam	CL, GC, ML,   SC 	A-4, A-6   		0-20	65-100   	60-95     	55-90   	35-85   	25-40   	7-14 
		Weathered   bedrock	 	 			   	   				   
SwE: Snowdog	U=3   	1	    CL, CL-ML,	 	125_05	1 0-25	    60-05	    55_00	1 15-90	34-60	30-30	     5_10
Silowaog		İ	SC, SC-SM	İ	İ	İ		İ	İ	İ	İ	
	 	Channery loam,   channery silt   loam, very   channery loam	SM	A-2, A-4, A-   	6  0-10     	0-15   	60-95     	55-90     	45-90     	34-80     	25-35     	5-15     
	24-51     	Channery sandy   loam, channery   loam, very   channery sandy   loam	CL, ML, SC,   SM 	A-2, A-4, A-	0-15       	10-30     	45-80       	40-75       	25-75       	10-70       	25-35       	5-15     
	 	Channery loam,   very channery   loam, very   channery sandy   loam	SM	A-2, A-4, A-     	0-15       	10-30       	45-80       	40-75       	25-75       	10-70       	20-40     	5-20       
Ud: Udorthents	     <b></b>	 	   	   			   	   	   	   	   	   
W: Water	   	   	   	   			   	 	 	 	 	   
	l	l	l	I	_		l	l	l	l	I	l